**Algebra II Name:**

**1.11 HW Function Families Date:**

**Function Families Worksheet**

**# 1- 6 What type of function do each of these equations show?**

1. g(x) = x 2 – 1

2. f(x) = 

3. h(x) = 

4. g(x) = x+ 3

5. g(x) = 

6. f(x) =  - 2

**# 7- 12 Draw the basic graph for the function.**

7. h(x) = 

8. g(x) = 3

9. h(x) = - x2 + 1

10. h(x) = 

11. f(x) = 

12. h(x) = 6 (x + 9) 2

**#13 - 17 Given an example of an equation represented by the following family of functions. (Do not use any of the examples from #1 -12!)**

1. Absolute value \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Square root \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Linear \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Reciprocal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Quadratic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#18 – 20 Name the type of function for each of the following graphs.**

18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

